

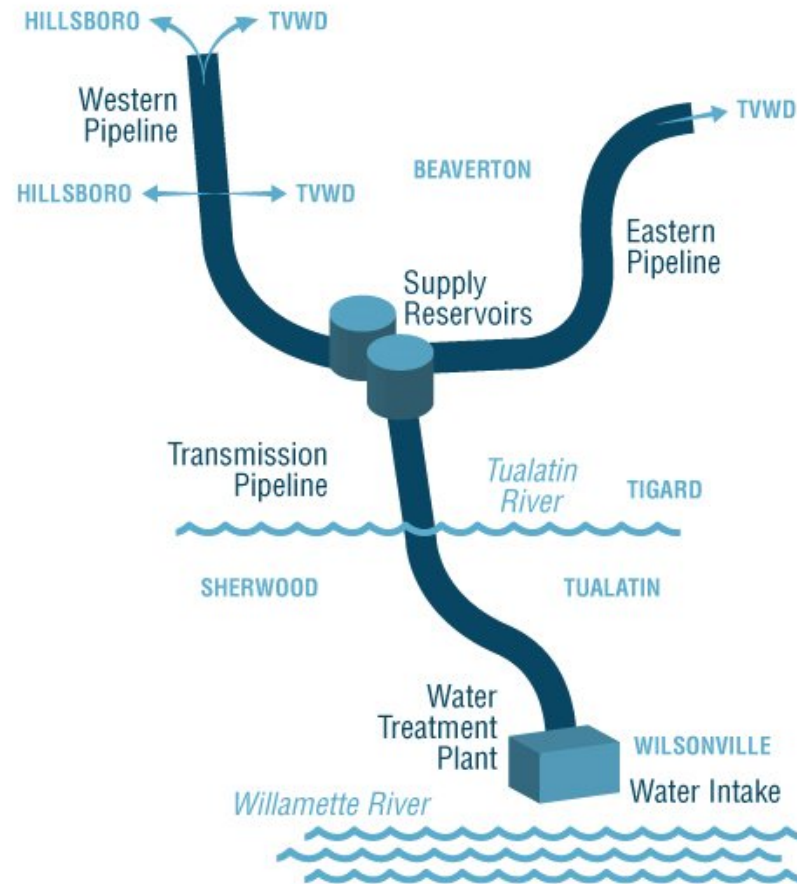
Willamette Water Supply
Our Reliable Water

A decorative graphic consisting of several overlapping, wavy horizontal bands in various shades of blue, creating a water-like effect. The bands are contained within a rectangular frame that occupies the lower two-thirds of the slide.

Preferred Pipeline Route

City of Tigard
April 14, 2015

The Willamette Water Supply system will provide water to our communities.



Demand for water will go up.



Water providers ***need to prepare*** for more than 400,000 new jobs and businesses and 1 million people by 2030.*

*Based on Metro projections





These risks threaten our water supply:

- Earthquakes
- Drought
- Pollution
- More severe storms

Early planning leads to success

2012-2013	2014-2016	2017-2025	2026-Ongoing
Supply Studies	Preliminary Planning	Design, Permitting and Construction	Additional Water Supply Online System Operations
		Ongoing water conservation programs	
		Willamette River source water protection partnership	
		Pipeline construction coordinated with road improvements	

Evaluate pipeline routes & reservoir sites

2014—Winter 2015

Preferred pipeline route(s) selected

March 2015

Preliminary design & additional study

2015-2017

Public outreach

Ongoing

More than 30 miles of pipeline will
connect communities to a
reliable source of drinking water.



Preferred pipeline route selected through in-depth analysis

Started with 117 route options.

Received feedback from policymakers, staff, community, and technical advisory committee.

Questions answered:

- ✓ Is the route acceptable & constructable?
- ✓ Will the pipeline route be resilient?
- ✓ Are there cost-saving opportunities to coordinate with road or utility projects?
- ✓ How can we manage costs for ratepayers?



Roy Rogers Road at
Al's Garden Center

Route selection criteria guide decisions

30+ Criteria / 8 Categories

1. Social/Community Impacts
2. Opportunities/Benefits
3. Environmental Impacts/Permitting
4. System Compatibility
5. System Resiliency
6. Constructability
7. Operation and Maintenance (O&M)
8. Cost

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Many Solutions™

Table 1 – Alignment Selection Criteria

Criteria/Risk	Definition	Factors	Cr
Social/Community Impacts			
Congestion/Community Impacts	Number of driveways, traffic volume, major intersections + = greenfield construction 0 = driveways that can be worked around with reasonable care during construction and provide multiple means of access to property and businesses - = numerous driveways with impacts to businesses and extensive restoration services	Numerous driveway crossings are a negative, high traffic areas are a negative If community safety is an issue downgrade rating.	Ce
Impact Critical Facilities	Hospitals, fire stations, emergency services + = no impact to critical services 0 = critical services within impacted traffic area - = critical services directly on pipeline alignment	Need to maintain access, no disruption to utility service for critical facilities. It will be a negative to impact emergency vehicle flow.	
Community Facilities	Schools, churches, community centers, parks, large employers + = no impact to community facilities traffic area 0 = community facilities within impacted traffic area - = community facilities directly on pipeline alignment	Potential safety issues. Periodic high traffic periods. Potential construction work hour limitations.	
Opportunity for Community Enhancement	Add value or benefit to the community + = adds value or benefits 0 = neither adds nor detracts - = detracts from the community and significantly diminishes existing facilities	Incorporate trails, improve roadways, landscaping/community beautification opportunities, improve rural fire protection	
"No-cut" areas	Sensitive community areas that should not be impacted. + = alignment does not impact any sensitive community areas, typical surface restoration required 0 = N/A - = alignment is within a "no-cut" area	Are there recently paved roads that have "no-cut" restrictions? Are there community enhancement areas that should be avoided that could prevent alignment approval? Have recent projects already impacted a community that could be avoided so the community is not impacted again?	Ce or
Opportunities/Benefits			
Proposed Road Projects	"Piggy back" / joint project opportunities		
Available Property	Properties currently for sale that provide key sites for staging/tunneling shaft locations	Are there road projects identified within the project window that allow for joint project, road sharing, or right-of-way corridor allocation the project?	PC, PE, or
Proposed Development	"Piggy back" / joint project opportunities	Are there development projects identified within the project window that allow for joint project, cost sharing, or right-of-way corridor allocation.	PC, PE, or

Feedback from public open houses points to the need to coordinate

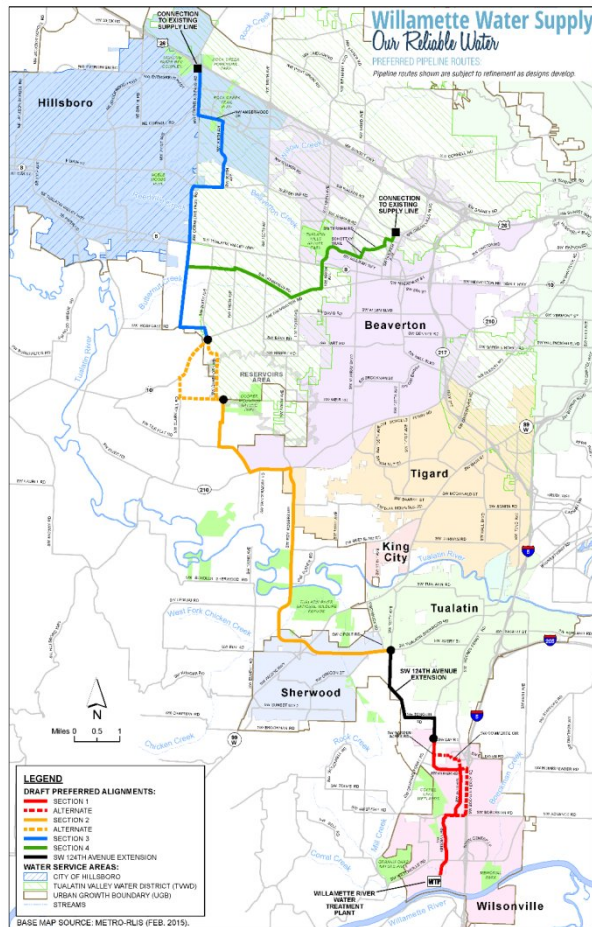
Benefit: Coordinating pipeline construction with other improvement projects

Questions:

- Construction impacts on traffic & neighborhoods
- Willamette River water quality

- 7 open houses plus one online
- Held across the project area
- More than 800 participants





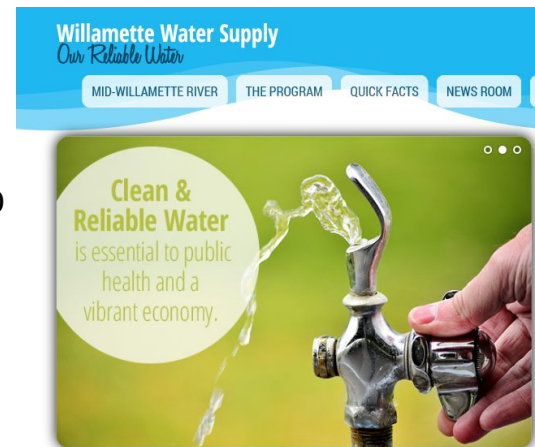
- The preferred pipeline route **best meets the routing criteria** and **responds to feedback** from staff and the public.
- Pipeline routes shown will be refined as designs proceeds.
- Meanwhile we are continuing to coordinate with agency staff on how to best preserve the pipeline alignment.
- Most pipeline construction won't occur until 2020-2025.
- Exceptions will be when there are opportunities to coordinate with transportation and other utility work.

- Team is working with Washington County on several opportunity projects in the area to support planned development.
- The reservoir sites are still being evaluated through a similar process as the pipeline routes.
- We have identified several sites that meet minimum engineering requirements (site elevation and size of property).
- This work is ongoing.



Outreach achieves broad public awareness

- ✓ Collaborate with each community to develop an outreach plan
- ✓ Provide information to all preferred pipeline route neighbors: route, timing, ways to stay informed / ask questions—encouraging them to sign up for email updates
- ✓ Get feedback from the public on community impacts and potential benefits
- ✓ Publish up-to-date information on the website
- ✓ Update policymakers and staff



Outreach Schedule

March-April	City Council briefings
May	Targeted mailings (route neighbors)
Summer 2015	Community briefings / feedback



Mailing information to every resident and business within 500 feet of the preferred route with the goal of getting people to sign up for our ongoing electronic updates.



Your questions? Thank you!

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